

# **DX626/610**

## **6CH.DMX DIMMER PACK**

### **【User Manual】**



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## SAFETY INTRODUCTIONS

### Please note the load power:

Please refer to the data we suggest to ensure the normal total working hours of DX-610/626

1. If DX-610/626 is installed in a rack, please make sure the rack is airy. Otherwise the machine will become over-heat and result in the mis-function.
2. DX-610: the max. output of each channel if 10A: For testing (DO Not over 30 minutes)  
DX-626: the max. output of each channel if 20A: For testing (DO Not over 30 minutes)
3. DX-610: the output of each channel is  $\leq 8A$ : For several hours use (Theaters, Stages)  
DX-626: the output of each channel is  $\leq 16A$ : For several hours use (Theaters, Stages)
4. DX-610: the output of each channel is  $\leq 8A$ : Can work for the whole year without switching off (Hotels, Restaurants, Buildings)  
DX-626: the output of each channel is  $\leq 12A$ : Can work for the whole year without switching off (Hotels, Restaurants, Buildings)

### Working Environment

1. Temperature : Under 35°C
2. If the machine is installed in a rack, then the temperature inside the rack must be under 45°C
3. Humidity : 40% --- 80%

### Suggested Dimming Lights

Incandescent lamps, halogen lamps, low volt halogen lamps with ballast.

## Chapter 1. Introductions of DX-610/626

### 1-1 Feature

- 6 dimming channels.
- Auto tracking of frequency and phase.
- Temperature control device: When the temperature is over 35°C , the fan will start automatically.
- Auto tracking of frequency: Enables stable dimming output in different frequencies.
- Testing function: Can do test without connecting a console.
- Warm-up function to protect the loads. (Warm-up setting 0---6.0%)

### 1-2 Brief device introductions

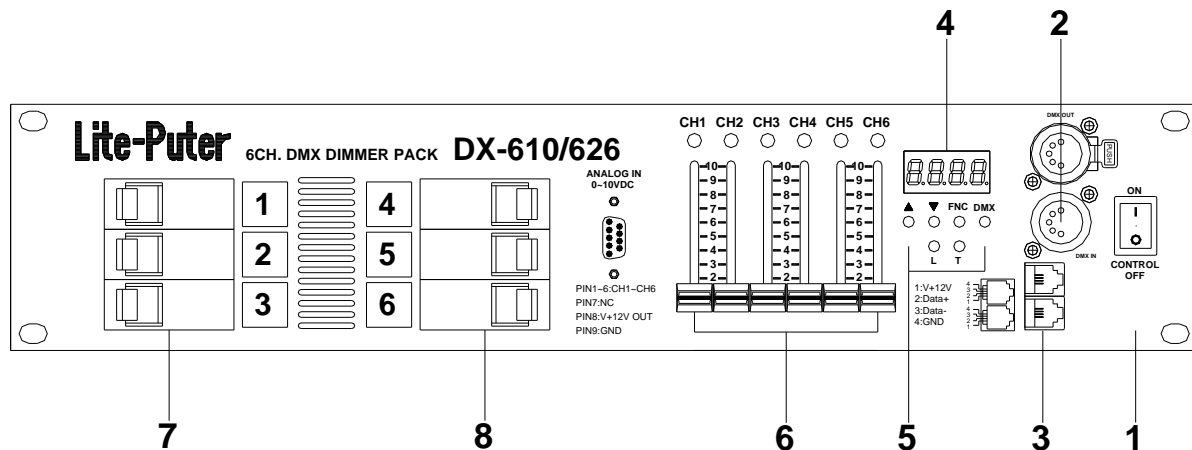
- DX-610: 10A no fuse breaker.  
DX-626: 25A no fuse breaker.
- Fan for temperature controlling to sink heat and clean the dust inside. (37CFM X 1)
- The front panel can be dismantled easily for quick repair.



### 1-3 Specification

Power	AC 90-240V, 45-63Hz, 3Ø4W, 1Ø2W
Output	DX-610: Maximal output is 10A each channel DX-626: Maximal output is 20A each channel (Please refer to the user manual)
DMX signal output/ input	DMX512/ 1990
DMX signal connector	XLR 5Pin, RJ11-6p4c phone jack
Analog signal power input	DC 0-10V
Analog input channel	6 channels PIN 1~6→ CH1~6, PIN 7→ NC PIN 8→V+12V OUT, PIN 9→GND
Analog signal connector	D-Type Plug 9 Pin(F)
Dimension	482(W) x 88(H) x 300(D)mm
Location	19" 2U standard rack
Weight	8Kg

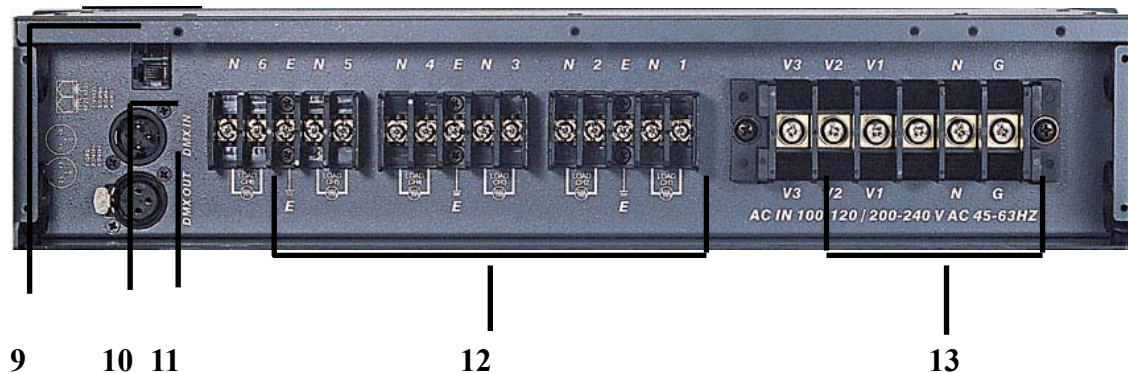
## 1-4 Front panel



(1) Power on/ off switch	(5) Function Key
(2) DMX OUT/ IN (5 pin)	(6) Dimming VR of Channel 1- 6
(3) DMX IN (RJ11, phone jack)	(7) No fuse breaker (Channel 1-3)
(4) LED display/ function keys	(8) No fuse breaker (Channel 4-6)

## 1-5 Output terminal board / Sockets panel

### TERMINALTYPE



(9) DMX connector (RJ11, phone jack)	(12) Power input terminal board. (DX-610: 20A Single phase; DX-626: 40A Single phase)
(10) DMX IN (XLR-3 pin)	(13) Output terminal board ( External power no fuse breaker is necessary when mounting.)
(11) DMX OUT (XLR-3 pin)	

## AMERICAN TYPE

Output sockets (DX-610: 10A each channel; DX-626: 15A each channel, External power no fuse breaker is necessary when mounting.)

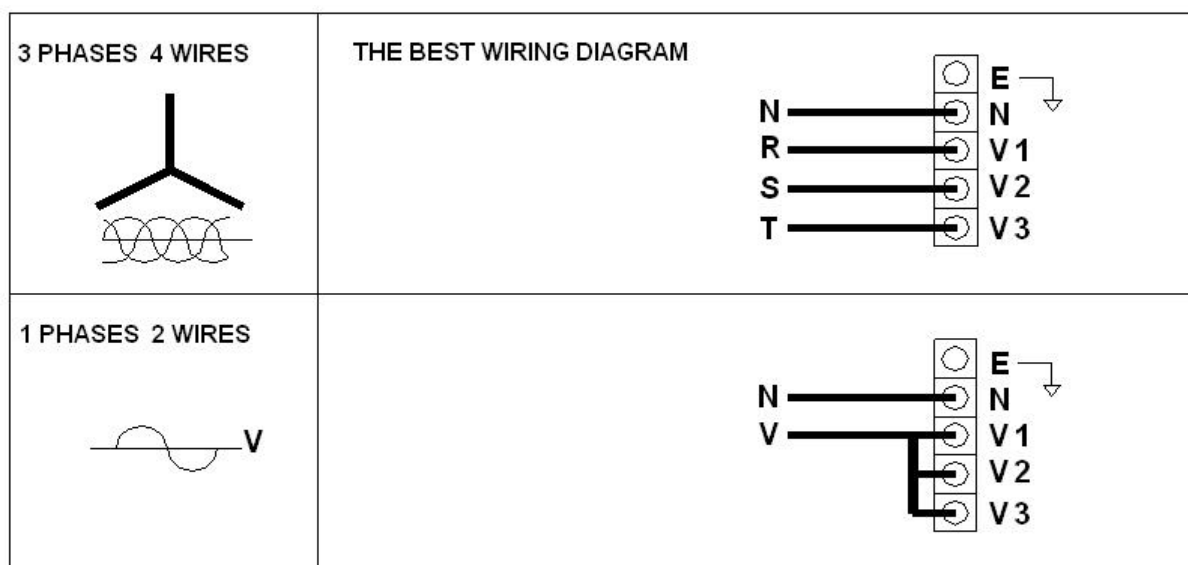


## SCHUKO TYPE

Output sockets (DX-610: 10A each channel; DX-626: 16A each channel, External power no fuse breaker is necessary when mounting.)



## 1-6 Wiring diagram



PS.: There are '3 PHASES 3 WIRES' and 'SINGEL PHASE 3 WIRES' as option.

## Chapter 2. Operation

### 2-1 Standard DMX512 Signa



This point flashing when receiving DMX

### 2-2 DMX start address setting

**STEP-1** holding **【DMX】** , press **【▲】** or **【▼】** to find the start address.



**【▲】** : move 1 number forward : up to **Channel 512**



**【▼】** : move 1 number backward :down to **Channel 1**

**DX-626** is a 6 channel dimmer pack so when setting this unit:

- 【1】** as d.001, the output is from Channel 1→ Channel 6.
- 【2】** as d.007, the output is from Channel 7→ Channel 12.
- 【3】** It is allowed for setting more than 1 piece of **DX-626** at the same start address.

### 2-3 Dimming/Switching setting

**STEP-1** press **【DMX】** key into DMX status

**STEP-2** press and hold the **【FNC】** key for 3 sec.



Default setting : all channel are dimming mode

**STEP-3** press **【FNC】** key to select channel

**STEP-4** press **【▲】** or **【▼】** to select dimming mode or switching mode





(dimming)



(Switching)

## 2-4 warm up setting (0...6%)

STEP-1 press **【FNC】** key



STEP-2 press **【FNC】** key to select the setting channel, EX :select channel 1

STEP-3 press **【▲】** , **【▼】** key to adjust



Channel 1 set on 6% for warm up

## 2-5 Channel output status preview

STEP-1 Enter to DMX status and press **【DMX】** key

STEP-2 press **【▲】** or **【▼】** to preview



## 2-6 Manual dimming

STEP-1 Push **【VR1-VR6】** to do the prompt dimming output of individual channel.

When there is another signal inputting from a console, it will take the higher value as the output.

## 2-7 Display the dimming value of DMX channel, internal temperature.

Press **【L】** to display the dimming value of DMX channel.

Press **【T】** to display the internal temperature.



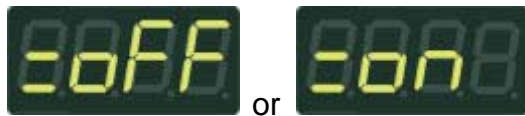
## 2-8 DMX status & DMX address

- a. press **【DMX】** to DMX status
- b. 10 minutes unused of unit, the DMX will activate to DMX status

## 2-9 Protocol control

When the protocol control turn on, it only receive the DMX signal whose break width range from 88us to 230us.

**STEP-1** Press **【FNC】** and LED displays as below.

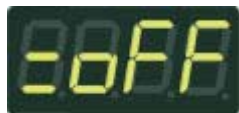


**STEP-2** Press **【▲】** and LED displays as below,



Protocol control is ON.

**STEP-3** Press **【▼】** and LED displays as below,



Protocol control is OFF.

## Guarantee

1. Lite-Puter is only responsible for DX-626/DX-610 itself.
2. Lite-Puter guarantees to keep Lite-Puter's fault products caused by techniques, materials and any other logical reasons in good repair for free within a year since the distributing date.
3. We do not offer door-visiting service. If the trouble appears in Lite-Puter's products, please deliver the equipment to local distributors or Taipei headquarter.

### \*\*\* Special Statement\*\*\*

Any fault caused by false usage, imprudence (collision or inadequate installation) or force majeure factors are not in Lite-Puter's service.

**Revision Record**

Version	Record
A	First version
H	change pictures

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